Title (en)

Method of calibrating surface texture measurement device

Title (de)

Verfahren zur Kalibrierung eines Oberflächentexturmessgeräts

Title (fr)

Procédé d'étalonnage de dispositif de mesure de texture de surface

Publication

EP 2500684 B1 20140625 (EN)

Application

EP 12159875 A 20120316

Priority

- JP 2011060995 A 20110318
- JP 2012010453 A 20120120

Abstract (en)

[origin: EP2500684A1] A method of calibrating a surface texture measurement device includes obtaining Y-axis shape measurement data and a maximum diameter portion to obtain upper and lower maximum diameter portions of a reference sphere 100 from Y-axis upper and lower shape data obtained by relatively moving in the Y-axis direction while a downward and an upward styluses 26B, 26A are in contact with an upper and a lower surfaces, respectively, of the reference sphere 100; obtaining X-axis shape measurement data to obtain X-axis upper and lower shape data of the reference sphere 100 by relatively moving in the X-axis direction while the downward stylus 26B is in contact with the upper diameter portion and the upward stylus 26A with the lower diameter portion of the reference sphere 100; and calculating offset amounts #x and #z of the upward and downward styluses from center coordinates 03 and 04 obtained from the shape data.

IPC 8 full level

G01B 5/20 (2006.01); **G01B 5/28** (2006.01); **G01B 21/04** (2006.01); **G01Q 40/00** (2010.01)

CPC (source: EP US)

G01B 5/201 (2013.01 - EP US); **G01B 5/28** (2013.01 - EP US); **G01B 21/042** (2013.01 - EP US)

Cited by

DE102019105059A1; CN111102901A; US11162771B2; WO2019143236A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2500684 A1 20120919; **EP 2500684 B1 20140625**; CN 102692203 A 20120926; CN 102692203 B 20160511; JP 2012211891 A 20121101; JP 5823306 B2 20151125; US 2012234075 A1 20120920; US 8925367 B2 20150106

DOCDB simple family (application)

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